



Wolf Creek Dam Weekly Update

US Army Corps of Engineers
Nashville District

31 May 2007

Construction Report

Foundation Grouting. ACT continued the drilling operation parallel to the dam in the gallery. This will supplement the down stream grout line in the 800' critical reach. A total of 32 holes have been drilled and 29 of those have been grouted. The Atlas Copco drill was idle; the Diamec U6 had equipment problems, but was still utilized this week. From Stations 31+47 to 31+67 all 18 holes have been grouted, with an average depth of 145'. From Stations 31+52 to 33+52 11 primary holes have been grouted, with an average depth of 154'. Boart Longyear has drilled (overburden) and cased 85 holes using the sonic method, with 2 drill rigs. A large Cubex drill is on site for production rock drilling. Kiewit placed concrete on one lane of the access ramp to the platform from US 127. Concrete placement on the work platform is complete for one lane, complete except for one section each for 2 other lanes, and complete to Station 60+20 for the remaining lane. Concrete curb is complete to Station 53+50. Rock coring on the platform continued - 7 exploratory holes (100' spacing, Stations 34+00 to 40+00) and 8 primary production holes (Stations 33+60 to 35+20) have been drilled. None have been grouted to date.

Halcomb's Landing. VCI-Doyon continued to drill, blast, haul, and compact rock in parking lot (Phase 3 area) and at the new Powerhouse Road location. Drilling and blasting continued on the US 127 widening area. Construction on the new boat ramp was temporarily halted to get the ramp and parking areas ready for the holiday weekend traffic; 16 sections of the cast-in-place concrete are complete, as well as 2 sections of the pre-cast concrete, for a total of 21,080 SF in place. 3 of the 4 lanes are about 70% complete; the 4th lane is about 5% complete.



Drilling and grouting continues as scheduled.

This Week's Activities

- Continue drilling and grouting in the gallery with both drills
- Kiewit to continue to place concrete and work on the access road to the platform
- Continue sonic drilling on the permanent work platform and installation of PVC casing on the embankment, with 2 drills
- Rock production drilling to continue
- Grouting is anticipated to begin on the platform this week
- Continue to drill, blast, and compact shot rock in Halcomb's landing parking lot, Phase III
- Continue excavation on boat ramp access road and US 127 widening, haul operations to the new Power House Road

Water Management Report

The current headwater elevation at Wolf Creek is 680.5. Beginning on Sunday (May 27), we went to a minimum release of around 600 cfs average daily discharge (four unit hours of generation). There have been significant downstream water management impacts resulting from a combination of ongoing drought conditions and the Wolf Creek drawdown. These impacts include restricting navigation at several locations along the Cum-

berland River, operation of the Cumberland Fossil Fuel Plant in Lake Barkley, threats to water supply intakes, and high water temperatures and low dissolved oxygen concentrations along the Cumberland River. There is very little rainfall predicted for the Cumberland River Basin over the next several days. Given the current dry conditions it would take a fairly significant rainfall event to produce enough flow to help meet Cumberland River Basin system water management objectives.

Lake Cumberland Elevation

680.5

Time: 0600
31 May 2007

